



Atty. Dkt. No. 085449-0159

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alejandro MERINO et al.
Title: PROTEIN COMPLEXES OF THE TIP60 TRANSCRIPTIONAL
ACTIVATOR PROTEIN AS WELL AS COMPONENTS,
FRAGMENTS AND DERIVATIVES THEREOF AND METHODS
FOR USING THE SAME
Appl. No.: 10/521,748 ✓
International Filing Date: 7/18/2003
371(c) Date: 10/27/2005
Examiner: Jae W. Lee
Art Unit: 1656
Confirmation Number: 6988

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be

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appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

The references listed on the PTO/SB/08 are described in the specification.

The relevance of the foreign-language document is described in the present specification. An English translation of the foreign-language document is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language document (37 CFR §1.98 and MPEP §609). An English language Abstract is provided for Reference No. A32 – WO 93/01288.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

FEE

A credit card payment form in the amount of \$180.00 is enclosed in accordance with 37 CFR §1.17(p) to cover the fee associated with an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by the

credit card payment form being unsigned, providing incorrect information resulting in a rejected credit card transaction, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: April 24, 2007

By Michele M. Simkin

FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5538
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Michele M. Simkin
Attorney for Applicant
Registration No. 34,717

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: April 24, 2007

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1 of 22

Complete if Known

Application Number	10/521,748
Filing Date	10/27/2005
First Named Inventor	Alejandro MERINO
Art Unit	1656
Examiner Name	Jae W. Lee
Attorney Docket Number	085449-0159

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,816,567	03/28/1989	Cabilly et al.	
	A2	4,816,397	03/28/1989	Boss et al.	
	A3	5,225,539	07/06/1993	Winter	
	A4	5,545,806	08/13/1996	Lonberg et al.	
	A5	5,569,825	10/29/1996	Lonberg et al.	
	A6	5,625,126	04/29/1997	Lonberg et al.	
	A7	5,633,425	05/27/1997	Lonberg et al.	
	A8	5,661,016	08/26/1997	Lonberg et al.	
	A9	4,980,286	12/25/1990	Morgan et al.	
	A10	5,096,815	03/17/1992	Ladner et al.	
	A11	5,198,346	03/30/1993	Ladner et al.	
	A12	5,223,409	06/29/1993	Ladner et al.	
	A13	5,498,538	03/12/1996	Kay et al.	
	A14	4,683,202	07/28/1987	Mullis	
	A15	4,683,195	07/28/1987	Mullis et al.	
	A16	4,889,818	12/26/1989	Gelfand et al.	
	A17	5,565,089			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A18	EP 1 105 508 B1	09/04/2002	Seraphin et al.		
	A19	EP 125,023	11/14/1984	Cabilly et al.		
	A20	EP 171,496 B1	05/26/1993	Taniguchi et al.		
	A21	EP 173,494 A2	03/05/1986	Morrison et al.		
	A22	EP 184,187 A2	06/11/1986	Kudo et al.		
	A23	WO 86/01533	03/13/1986	Neuberger et al.		
	A24	WO 87/02671	05/07/1987	Robinson et al.		
	A25	WO 90/02809	03/22/1990	Ladner et al.		
	A26	WO 91/17271	11/14/1991	Dower et al.		
	A27	WO 92/01047	01/23/1992	McCaferly et al.		
	A28	WO 92/09690	06/11/1992	Garrard et al.		
	A29	WO 92/15679	09/17/1992	Markland et al.		
	A30	WO 92/18619	10/29/1992	Kang et al.		
	A31	WO 92/20791	11/26/1992	Winter et al.		
	A32	WO 93/01288	01/21/1993	Breitling et al.	Abstract	
	A33	WO 00/09716	02/24/2000	Seraphin et al.		
	A34	WO 92/06180	04/16/1992	Wu		

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Sheet 2 of 22

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Examiner Name	Jae W. Lee
Attorney Docket Number	085449-0159

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	A35	WO 92/20316	11/26/1992	Wu et al.		
	A36	WO 92/22635	12/23/1992	Wu et al.		
	A37	WO 93/14188	07/22/1993	Clarke et al.		
	A38	WO 93/20221	10/14/1993	Young		
	A39	WO 94/08598	04/28/1994	Naughton et al.		
	A40	WO 88/09810	12/15/1988	Tullis		
	A41	WO 89/10134	11/02/1989	Pardridge et al.		
	A42	WO 90/11364	10/04/1990	Cech et al.		
	A43	WO 93/20242	10/14/1993	Lerner et al.		
	A44	WO 94/18318	08/18/1994	Kay et al.		
	A45	WO 01/57190	09/08/2001	Tang et al.		
	A46	WO 02/22660 A2	03/21/2002	Tang et al.		

NON PATENT LITERATURE DOCUMENTS

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	A47	ALBALA, Expert Rev. Mol. Diagn., Vol. 2, pp. 145-152, 2001.	
	A48	BAEK, et al., Cell, Vol. 110, pp. 55-67, 2002.	
	A49	BEIDLER, et al., J. Immunol., Vol. 141, pp. 4053-4060, 1988.	
	A50	BENOIST, et al., Nature, Vol. 290, pp. 304-310, 1981.	
	A51	BETTER, et al., Science, Vol. 240, pp. 1041-1043, 1988.	
	A52	BLAWAS, et al., Biomaterials, Vol. 19, p. 595-609, 1998.	
	A53	BOCK, et al., Nature, Vol. 355, pp. 564-566, 1992.	
	A54	BOESEN, et al., Biotherapy, Vol. 6, pp. 291-302, 1994.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 24, 2007 (use as many sheets as necessary)		Application Number	10/521.748		
		Filing Date	10/27/2005		
		First Named Inventor	Alejandro MERINO		
		Art Unit	1656		
		Examiner Name	Jae W. Lee		
Sheet	3	of	22	Attorney Docket Number	085449-0159

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁸
	A55	BORG, et al., Mol. Cell Biol., Vol. 16, pp. 6229-6241, 1996.	
	A56	BORG, et al., J. Biol. Chem., Vol. 273, pp. 14761-14766, 1998.	
	A57	BOUT, et al., Human Gene Therapy, Vol. 5, pp. 3-10. 1994.	
	A58	BRADY, et al., J. Biol. Chem., Vol. 274, pp. 17599-17604, 1999.	
	A59	BRENNER, et al., Proc. Natl. Acad. Sci., Vol. 89, pp. 5381-5383, 1992.	
	A60	BRINSTER, et al., Nature, Vol. 296, pp. 39-42, 1982.	
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	A62	BUCHWALD, et al., Surgery, Vol. 88, pp. 507-516, 1980.	
	A63	BUNIN, et al., Proc. Natl. Acad. Sci., Vol. 91, pp. 4708-4712, 1994.	

Examiner Signature	Date Considered
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 24, 2007 <i>(use as many sheets as necessary)</i>			Complete if Known <table border="1"> <tr> <td>Application Number</td> <td>10/521,748</td> </tr> <tr> <td>Filing Date</td> <td>10/27/2005</td> </tr> <tr> <td>First Named Inventor</td> <td>Alejandro MERINO</td> </tr> <tr> <td>Art Unit</td> <td>1656</td> </tr> <tr> <td>Examiner Name</td> <td>Jae W. Lee</td> </tr> <tr> <td>Attorney Docket Number</td> <td>085449-0159</td> </tr> </table>		Application Number	10/521,748	Filing Date	10/27/2005	First Named Inventor	Alejandro MERINO	Art Unit	1656	Examiner Name	Jae W. Lee	Attorney Docket Number	085449-0159
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	A64	CAO X, et al., Science, Vol. 293, pp. 115-20, 2001.	
	A65	CAPECCHI, Science, Vol. 244, pp. 1288-1292, 1989.	
	A66	CHEN, et al., Science, Vol. 276, p. 1425-1428, 1997.	
	A67	CHOU, et al., Biochemistry, Vol. 13, pp. 222-23, 1974.	
	A68	CLINE, Pharmac. Ther., Vol. 29, pp. 69-92, 1985.	
	A69	CLOWES, et al., J. Clin. Invest., Vol. 93, pp. 644-651, 1994.	
	A70	COTTEN, et al., Meth. Enzymol., Vol. 217, pp. 618-644, 1993.	
	A71	DAVEY, et al., Microbiol. Rev., Vol. 60, pp. 641-696, 1996.	

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	A72	DEXTER, et al., J. Cell Physiol., Vol. 91, p. 335, 1977.	
	A73	DURING, et al., Ann. Neurol., Vol. 25, pp. 351-356, 1989.	
	A74	EKINS, et al., J. Pharm. Biomed. Anal., Vol. 7, pp. 155-168, 1989.	
	A75	ELLINGTON, et al., Nature, Vol. 355, pp. 850-852, 1992.	
	A76	ENGSTROM, Biochem. Exp. Biol., Vol. 11, pp. 7-13, 1974.	
	A77	ERB, et al., Proc. Natl. Acad. Sci., Vol. 91, pp. 11422-11426, 1994.	
	A78	FIGEYS, et al., Electrophoresis, Vol. 2, pp. 208-216, 2001.	
	A79	FLETTERICK, et al., Computer Graphics and Molecular Modeling, In: Current Communications in Molecular Biology, 1986. TEXTBOOK, COPY NOT PROVIDED	

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	A81	FREEMAN, et al., Proc. Natl. Acad. Sci., Vol. 80, pp. 4094-4098, 1983.	
	A82	FUCHS, et al., Bio/Technology, Vol. 9, pp. 1370-1372, 1991.	
	A83	GALLOP, et al., J. Med. Chem., Vol. 37, pp. 1233-1251, 1994.	
	A84	GAUTIER, et al., Nucl. Acids Res., Vol. 15, pp. 6625-6641, 1987.	
	A85	GIBSON, Cancer and Metastasis Reviews, Vol. 15, pp. 287-299, 1996.	
	A86	GOLDSPIEL, et al., Clinical Pharmacy, Vol. 12, pp. 488-505, 1993.	
	A87	GOOD, et al., Gene Therapy, Vol. 4, pp. 45-54., 1997.	

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	A88	GRASSI, et al., Annals of Medicine, Vol. 28, pp. 499-510, 1996.	
	A89	GRIFFITHS, et al., EMBO J., Vol. 12, pp. 725-734, 1993.	
	A90	GROSSMAN, et al., Curr. Opin. In Genetics and Devel., Vol. 3, pp. 110-114, 1993.	
	A91	GUENETTE, S.Y., Proc. Natl. Acad. Sci., Vol. 93, pp. 10832-10837, 1996.	
	A92	GYLLENSTEIN, et al., Proc. Natl. Acad. Sci., Vol. 85, pp. 7652-7657, 1988.	
	A93	HAY, et al., Hum. Antibod. Hybridomas, Vol. 3, pp. 81-85, 1992.	
	A94	HONORE, et al., Expert Rev. Mol. Diagn., Vol. 3, pp. 265-274, 2001.	
	A95	HOPP, et al., Proc. Natl. Acad. Sci., Vol. 78, pp. 3824-3828, 1981.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/521.748
Date Submitted: April 24, 2007		Filing Date	10/27/2005
(use as many sheets as necessary)		First Named Inventor	Alejandro MERINO
		Art Unit	1656
		Examiner Name	Jae W. Lee
		Attorney Docket Number	085449-0159
Sheet	8	of	22

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	A96	HOUGHTEN, et al., Nature, Vol. 354, pp. 84-86, 1991.	
	A97	HOUGHTEN, et al., Biotechniques, Vol. 13, p. 412-421, 1992.	
	A98	HOWARD, et al., J. Neurosurg., Vol. 71, pp. 858-863, 1989.	
	A99	HUNKAPILLER, et al., Nature, Vol. 310, pp. 105-111, 1984.	
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	A101	HUTCHINSON, et al., "amplification with PCR primers containing a mutation, etc.", J. Biol. Chem., Vol. 253, pp. 6551-6558.	
	A102	INOUE, et al., FEBS Lett., Vol. 215, pp. 327-330, 1987.	
	A103	INOUE, et al., Nucl. Acids Res., Vol. 15, pp. 6131-6148, 1987.	

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			Application Number	10/521,748	
			Filing Date	10/27/2005	
			First Named Inventor	Alejandro MERINO	
			Art Unit	1656	
			Examiner Name	Jae W. Lee	
			Attorney Docket Number	085449-0159	
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	A104	JAYAWICKREME, et al., Proc. Natl. Acad. Sci., Vol. 91, pp. 1614-1618, 1994.	
	A105	JESPEERS, et al., Bio/technology, Vol. 12, pp. 899-903, 1994.	
	A106	JOLIOT, et al., Proc. Natl. Acad. Sci., Vol. 88, pp. 1864-1868, 1991.	
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	A109	KANE, et al., Biomaterials, Vol. 20, p. 2363-2376, 1999.	
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	A111	KAUVAR, et al., Chem. Biol., Vol. 2, pp. 107-118, 1995.	

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Sheet	10	of	22		

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	A113	KAUVAR, Toxic-Chemical Detection by Pattern Recognition in New Frontiers in Agrochemical Immunoassay, Kurtz, Stanker and Skerritt (eds), AOAC, pp. 305-312, 1995.	
	A114	KAY, et al., Gene, Vol. 128, pp. 59-65, 1993.	
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	A116	KINOSHITA, Ayae, et al., J. Biol. Chem., Vol. 277, pp. 28530-28536, 2002.	
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	A119	KOHLER, et al., Nature, Vol. 256, pp. 495-497, 1975.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/521,748
		Filing Date	10/27/2005
		First Named Inventor	Alejandro MERINO
		Art Unit	1656
		Examiner Name	Jae W. Lee
Date Submitted: April 24, 2007		Attorney Docket Number	085449-0159
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Sheet	11	of	22

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	A120	KOLLER, et al., Proc. Natl. Acad. Sci., Vol. 86, pp. 8932-8935, 1989.	
	A121	KOZARSKY, et al., Curr. Opin. Genet. Devel., Vol. 3, pp. 499-503, 1993.	
	A122	KOZBOR, et al., Immunol. Today, Vol. 4, p. 72, 1983.	
	A123	KROL, et al., Bio Techniques, Vol. 6, pp. 958-976, 1988.	
	A124	LAM, et al., Nature, Vol. 354, pp. 82-84, 1991.	
	A125	LANGER, Science, Vol. 249, pp. 1527-1533, 1990.	
	A126	LEE, et al., Science, Vol. 295, pp. 1702-1705, 2002.	
	A127	LEE, Trends Biotechnol., Vol. 19, pp. 217-222, 2001.	

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Date Submitted: April 24, 2007

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Application Number	10/521,748
Filing Date	10/27/2005
First Named Inventor	Alejandro MERINO
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	A128	LEMAITRE, et al., Proc. Natl. Acad. Sci., Vol. 84, pp. 648-652, 1987.	
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	A133	LIU, et al., Proc. Natl. Acad. Sci., Vol. 84, pp. 3439-3443, 1987.	
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	A135	LONBERG, et al., Int. Rev. Immunol., Vol. 13, pp. 65-93, 1995.	

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	A136	MACBEATH, et al., Science, Vol. 289, p. 1760, 2000.	
	A137	MAHLER, et al., Immunotechnology, Vol. 3, pp. 31-43, 1997.	
	A138	MASTRANGELI, et al., J. Clin. Invest., Vol. 91, pp. 225-234, 1993.	
	A139	MATRIX Science, Perkins, et al., Electrophoresis, Vol. 20, pp. 3551-3567, 1999.	
	A140	MATTER, J. Med. Chem., Vol. 40, pp. 1219-1229, 1997.	
	A141	MAY, TIBTECH, Vol. 11, pp. 155, 1993.	
	A142	MCDONNELL, Curr. Opin. Chem. Biol., Vol. 5, pp. 572-577, 2001.	
	A143	MEDYNSKI, Bio/Technology, Vol. 12, pp. 709-710, 1994.	

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First Named Inventor	Alejandro MERINO
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Attorney Docket Number	085449-0159

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	A148	MULLIGAN, Science, Vol. 260, pp. 926-932, 1993.	
	A149	Nature, Initial Sequencing and Analysis of the Human Genome, Vol. 409, pp. 860-921, 2001.	
	A150	NELSON, et al., Electrophoresis, Vol. 21, pp. 1155-1163, 2000.	
	A151	NISHIMURA, et al., Canc. Res., Vol. 47, pp. 999-1005, 1987.	

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Date Submitted: April 24, 2007

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Sheet 16 of 22

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Application Number	10/521,748
Filing Date	10/27/2005
First Named Inventor	Alejandro MERINO
Art Unit	1656
Examiner Name	Jae W. Lee
Attorney Docket Number	085449-0159

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A160	PARMLEY, et al., Gene, Vol. 73, pp. 305-318, 1988.	
	A161	PARMLEY, et al., Adv. Exp. Med. Biol., Vol. 215, pp. 215-218, 1989.	
	A162	PEARSON, et al., Ann. Clin. Biochem., Vol. 37, pp. 119-145, 2000.	
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Attorney Docket Number	085449-0159

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	A169	RIGAUT, et al., "A generic protein purification method for protein complex characterization and proteome exploration", Nature Biotechnology, Vol. 17, no. 10, pp. 1030-1032, 1999.	
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			Filing Date	10/27/2005	
			First Named Inventor	Alejandro MERINO	
			Art Unit	1656	
			Examiner Name	Jae W. Lee	
			Attorney Docket Number	085449-0159	
Sheet	18	of	22		

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	A176	SARVER, et al., Science, Vol. 247, pp. 1222-1225, 1990.	
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Sheet 19 of 22

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First Named Inventor	Alejandro MERINO
Art Unit	1656
Examiner Name	Jae W. Lee
Attorney Docket Number	085449-0159

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	A184	SOMIA, et al., J. Virol., Vol. 74, pp. 4420-4424, 2000.	
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	A191	SUN, et al., Proc. Natl. Acad. Sci., Vol. 84., Pp. 214-218, 1987.	

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	A193	TOLSTOSHEV, Ann. Rev. Pharmacol. Toxicol., Vol. 32, pp. 573-596, 1993.	
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	A201	WEINBERGER, et al., Vol. 1, pp. 395-416, 2000.	
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	A205	WU, et al., J. Biol. Chem., Vol. 262, pp. 4429-4432, 1987	
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	A210	ZON, Pharm. Res., Vol. 5, pp. 539-549, 1988.	

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